BTEC Assignment Brief

Qualification	Pearson BTEC International Level 3 Subsidiary Diploma in Construction and the Built Environment Pearson BTEC International Level 3 Foundation Diploma in Construction and the Built Environment Pearson BTEC International Level 3 Diploma in Building Services Engineering Pearson BTEC International Level 3 Extended Diploma in Building Services Engineering
Unit number and title	**Unit 12: Building Surveying in Construction**
Learning aim	**Learning A:** Understand the impact of the methods used to construct existing buildings on current and future maintenance requirements
Assignment title	Development of Domestic Architectural styles and Construction methods
Assessor	
Issue date	
Hand in deadline	

Vocational Scenario or Context	You are working for a large property company as a trainee building surveyor. As part of your development and training you get to spend six months in different departments on rotation. You have recently moved into the design department to broaden your understanding of architecture and to share your knowledge and understanding of surveying. The design department have very good expertise on large scale new build commercial projects, but they lack any detailed knowledge of residential refurbishments and alterations. Your last two rotations within the company were in the maintenance department and the surveying department. Because of this your supervisor has asked you to prepare an illustrated 'Info Guide' on the development of domestic architecture and construction techniques. It is intended that the guide will become the main reference document for the design team when they work on refurbishment projects.
Task 1	Produce a detailed and comprehensive, two part illustrated guidance document on the development of architectural styles and residential construction techniques. The document should focus specifically on domestic scale construction. You should clearly show the changes in architectural style and the development of construction methods, and how this has impacted on maintenance requirements over the years. For example, the development and use of precast concrete systems for domestic construction in the 1960's lead to a number of maintenance issues in the 1970's and 1980's. Part one of the guide will consider the following periods of domestic architecture: • Pre-War (1900- 1939) • Post-war (1945-1960)

	• Modern • Post Modern • Contemporary Part two of the guide will detail: • Traditional methods of construction • Modern methods of construction Because the guide is going to be used by the design team your supervisor has suggested that you use a lot of images, drawings and sketches to illustrate the key features. They have suggested that 3-4 annotated images per architectural period with supporting text would be appropriate. Similarly, for the methods of construction they have indicated that photographs and drawings of typical construction details would be most appropriate.
Checklist of evidence required	You will have produced a clear and detailed illustrated guide to the development of architectural styles and domestic construction. The guide he will have a large number of images which will be clearly annotated and detailed to aid the design team. The final document can be presented in a number of formats, ranging from a traditional paper based portfolio through to an E-Book. You should ensure the format that you choose is appropriate and allows you to clearly demonstrate the key points you are trying to make.

Criteria covered by this task:	
Unit/Criteria reference	To achieve the criteria you must show that you are able to:
12/A.P1	Describe the different styles and types of residential housing.
12/A.P2	Describe the different methods of traditional and modern construction used for residential housing and their impact on current and future repair and remedial work.
12/A.M1	Discuss the different residential housing styles and types and how their construction methods are applied and their impact on the current and future requirements for repair and remedial work.
12/A.D1	Evaluate the different residential housing styles and types and how their construction methods are applied and their impact on the current and future requirements for repair and remedial work.

Sources of information to support you with this Assignment#	Pearson BTEC National Construction Student Book Authors: Simon Topliss, Mike Hurst, Simon Cummings. Sohrab Donyavi Marshall D, Worthing D, Heath R & Dann N -*understanding housing defects*, (Routledge 2014), ISBN:978-0-08-097112-4 Hollis M, *Surveying Buildings*, (RICS Books 5th Ed 2005). ISBN: 978-1842191927 Further Resources may be found at

	www.edexcel.com/resources/Pages/default.aspx.
Other assessment materials attached to this Assignment Brief	*None*